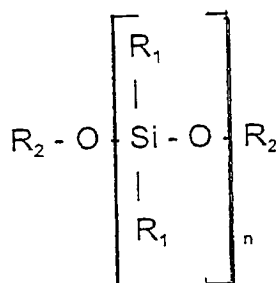


CLAIMS

1. A composition to be used in paints, **characterized** by comprising a resin constituent which includes

- i) a non-aromatic epoxy resin,
ii) a polysiloxane having the formula:



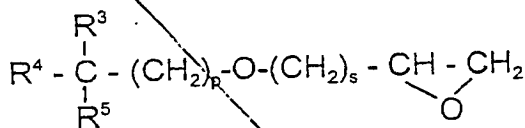
where R¹ is a hydroxyl or an alkyl, aryl or alkoxy group having up to 6 carbon atoms, R² is a hydrogen or an alkyl or aryl group having up to 6 carbon atoms and n is a number selected so that the molar mass of the polysiloxane is within the range of 400 to 2000, and

iii) an epoxy silane which acts as a crosslinking agent between the epoxy and siloxane chains.

2. A composition as claimed in claim 1, **characterized** in that the weight ratio between the epoxy silane, polysiloxane and non-aromatic epoxy resin is 1:2-5:2-5.

3. A composition as claimed in claim 1 or 2, **characterized** in that the non-aromatic epoxy resin is a branched aliphatic epoxy resin.

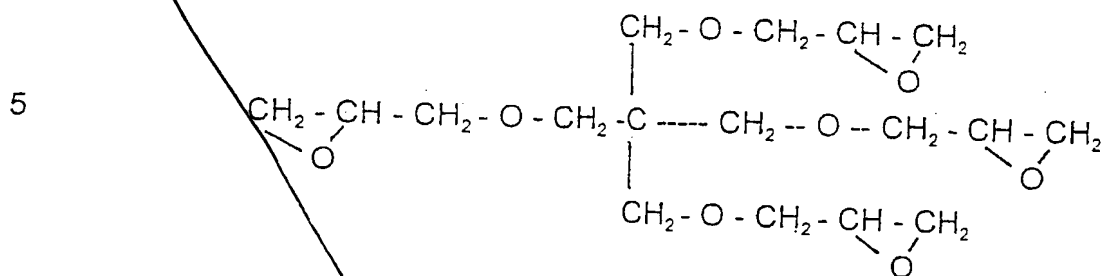
4. A composition as claimed in claim 3, **characterized** in that the aliphatic epoxy resin has the formula



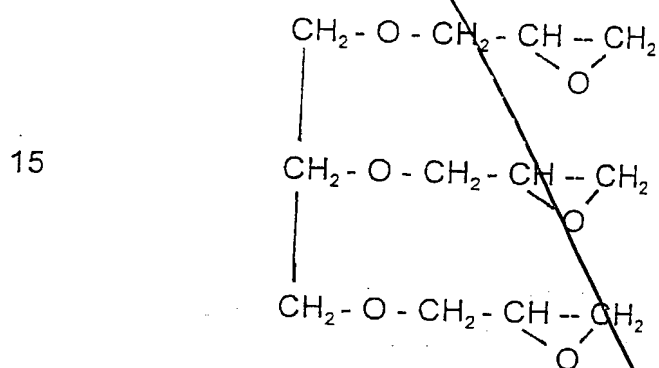
where p is an integer between 0 and 3, s is an integer between 1 and 3, R³ and R⁴ represent independently C₁₋₆alkyl or a group $-(\text{CH}_2)_p - \text{O} - (\text{CH}_2)_s - \underset{\text{O}}{\text{CH}} - \text{CH}_2$,

where p and s are as defined above and R⁵ is hydrogen, C₁₋₆alkyl or a group $-(\text{CH}_2)_p - \text{O} - (\text{CH}_2)_s - \underset{\text{O}}{\text{CH}} - \text{CH}_2$, where p and s are as defined above.

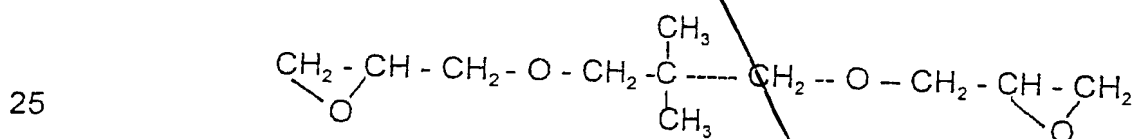
Sub B2
5. A composition as claimed in claim 4, **characterized** in that the aliphatic epoxy resin has the formula



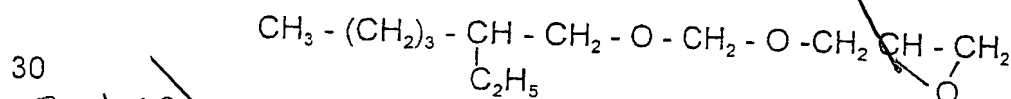
6. A composition as claimed in claim 4, **characterized** in that the aliphatic epoxy resin has the formula



7. A composition as claimed in claim 4, **characterized** in that the aliphatic epoxy resin has the formula

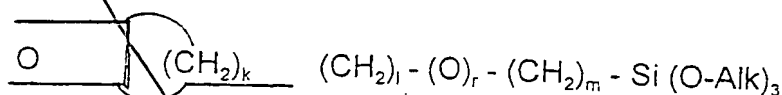


8. A composition as claimed in claim 4, **characterized** in that the aliphatic epoxy resin has the formula



Sub A2
9. A composition as claimed in any one of claims 1 to 8, **characterized** in that the epoxy silane has the formula

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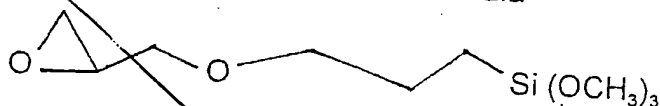


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where k is an integer between 0 and 4, r is 0 or 1, l is an integer between 1 and 6, m is an integer between 1 and 6 and Alk is an alkyl group having 1 to 6 carbon atoms.

Sub 137

10. A paint composition as claimed in claim 9, characterized in that the epoxy silane has the formula



11. A paint composition as claimed in claim 9, characterized in that the epoxy silane has the formula



Sub 143

12. A kit, characterized by comprising a container A, which contains a composition according to any one of claims 1 to 11, and a container B, which contains a hardener, whereby the container A and/or B may further contain conventional additives.

Adal A4